

TECASON™ P XRO

Polyphenylsulfone
Ensinger Inc.

Message:

Ensinger Industries launches its new line of xray opaque, XRO series, thermoplastic shapes with TECASON™P XRO. A radio opacifer is added to the standard line of colored PPSU extruded rod for orthopedic sizing trials and other instrument devices allowing for clear visibility of the component on fluoroscopy and xray. This accommodates some of the new challenges created by minimally invasive and image guided surgery. TECASON™P XRO has been tested to the requirements of ISO 10993 for external communication devices intended for less than 24 hour contact with tissue, bone and dentin. These tests include: Maximization / Sensitization Testing, Cytotoxicity, Intracutaneous Test, Acute Systemic Toxicity Test and the Hemolysis Test. TECASON™ P XRO has been formulated to allow clear visibility of an instrument on fluoroscopy and xray during minimally invasive and image guided surgery. Thus providing an exceptional benefit to the user.

General Information			
Uses	Medical/Healthcare Applications		
	Surgical Instruments		
Forms	Shapes		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm³	ASTM D792
Water Absorption (23°C, 24 hr)	0.33	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	123		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ASTM D638
Tensile Strength (Yield, 23°C)	68.9	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	50	%	ASTM D638
Flexural Modulus (23°C)	2100	MPa	ASTM D790
Flexural Strength (23°C)	80.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	210	J/m	ASTM D256

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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